



# Hostaform® UV140LG XAP

## Celanese Corporation - Acetal (POM) Copolymer

Sunday, November 3, 2019

### General Information

#### Product Description

Hostaform® acetal copolymer grade UV140LG XAP is a specialty grade of acetal copolymer formulated to provide good flow with a low gloss finish and a UV stability necessary for interior automotive applications. In addition, Hostaform® UV140LG XAP exhibits low emissions for automotive interiors. Low emission Performance [VDA 275] <10 PPM

#### General

|                 |                           |                             |                 |
|-----------------|---------------------------|-----------------------------|-----------------|
| Material Status | • Commercial: Active      |                             |                 |
| Availability    | • Africa & Middle East    | • Europe                    | • North America |
|                 | • Asia Pacific            | • Latin America             |                 |
| Features        | • Good Flow               | • Low Gloss                 |                 |
|                 | • Low Emissions           | • UV Resistant              |                 |
| Uses            | • Automotive Applications | • Automotive Interior Parts |                 |

### ASTM & ISO Properties <sup>1</sup>

| Physical  | Nominal Value | Unit                   | Test Method     |
|---|---------------|------------------------|-----------------|
| Density   | 1.37          | g/cm <sup>3</sup>      | ISO 1183        |
| Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)       | 13            | cm <sup>3</sup> /10min | ISO 1133        |
| Molding Shrinkage                                 |               |                        | ISO 294-4       |
| Across Flow                                       | 1.8           | %                      |                 |
| Flow  | 2.0           | %                      |                 |
| Mechanical  | Nominal Value | Unit                   | Test Method     |
| Tensile Modulus                                   | 305000        | psi                    | ISO 527-2/1A    |
| Tensile Stress (Yield)                            | 6960          | psi                    | ISO 527-2/1A/50 |
| Tensile Strain (Yield)                            | 10            | %                      | ISO 527-2/1A/50 |
| Impact  | Nominal Value | Unit                   | Test Method     |
| Charpy Notched Impact Strength                    |               |                        | ISO 179/1eA     |
| -22°F   | 1.9           | ft-lb/in <sup>2</sup>  |                 |
| 73°F  | 1.7           | ft-lb/in <sup>2</sup>  |                 |
| Thermal   | Nominal Value | Unit                   | Test Method     |
| Heat Deflection Temperature (264 psi, Unannealed) | 185           | °F                     | ISO 75-2/A      |
| Melting Temperature <sup>2</sup>                  | 334           | °F                     | ISO 11357-3     |

### Processing Information

| Injection              | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature     | 212 to 248    | °F   |
| Drying Time            | 3.0 to 4.0    | hr   |
| Rear Temperature       | 338 to 347    | °F   |
| Middle Temperature     | 338 to 356    | °F   |
| Front Temperature      | 347 to 365    | °F   |
| Nozzle Temperature     | 365 to 383    | °F   |
| Processing (Melt) Temp | 356 to 383    | °F   |
| Mold Temperature       | 176 to 221    | °F   |
| Injection Rate         | Slow          |      |
| Back Pressure          | < 580         | psi  |

UL and the UL logo are trademarks of UL LLC © 2019. All Rights Reserved.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

# Hostaform® UV140LG XAP

## Celanese Corporation - Acetal (POM) Copolymer

### Injection Notes

Zone4 temperature: 180 to 190°C

Hot runner temperature: 180 to 200°C

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 10°C/min